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WATER SUPPLY OUTLOOK FOR OREGON



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**OREGON STATE UNIVERSITY and STATE ENGINEER
of OREGON**

AS OF
MAY 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course
in Bridger Mountains, Montana.*

SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR OREGON

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued

MAY 8, 1975

Issued by

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ADMINISTRATOR
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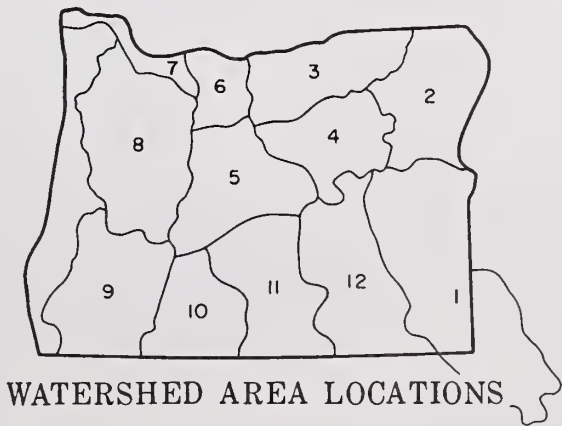
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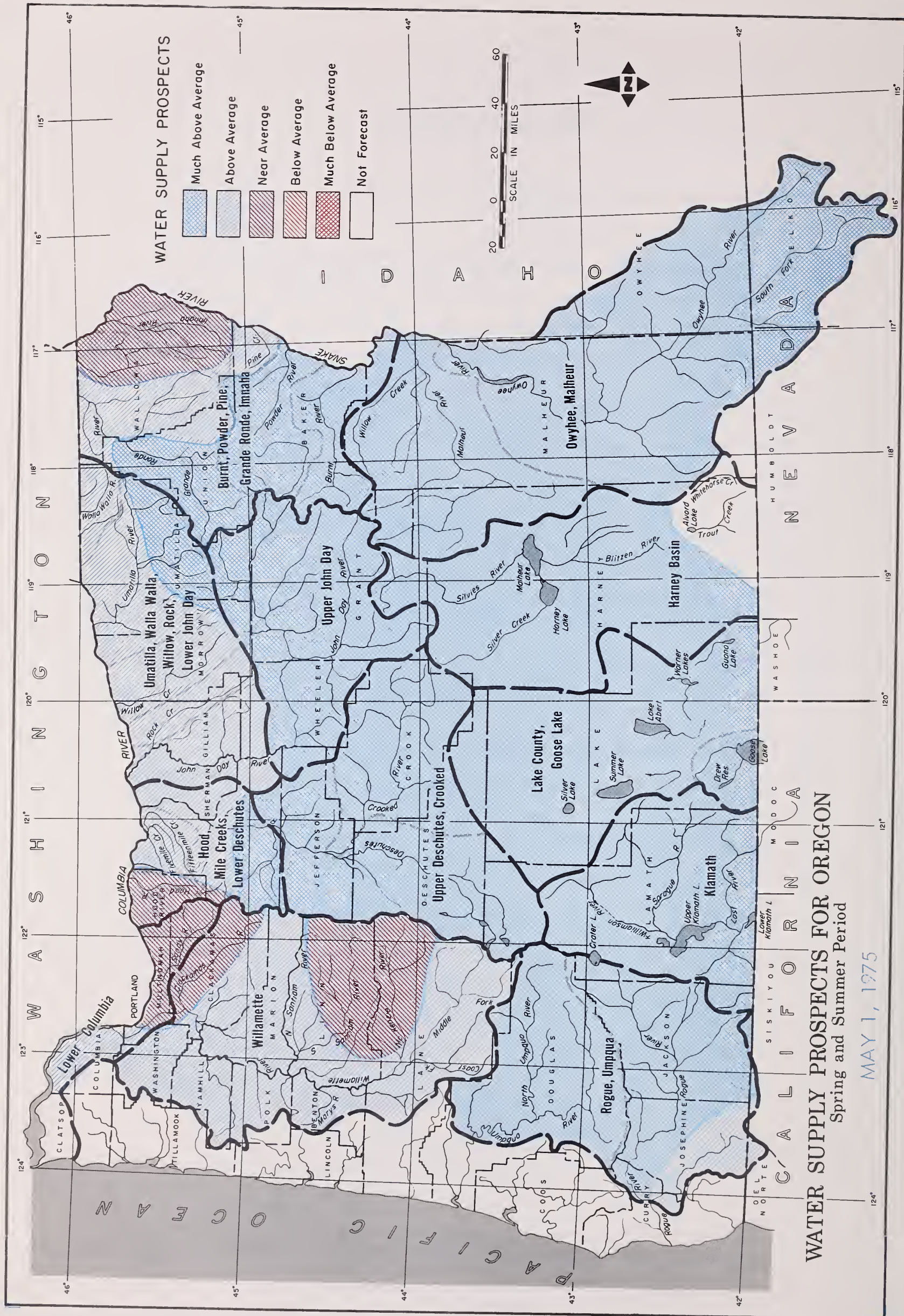
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LIST OF COOPERATORS.....INSIDE BACK COVER





WATER SUPPLY PROSPECTS

- Much Above Average
- Above Average
- Near Average
- Below Average
- Much Below Average
- Not Forecast

SCALE IN MILES



WATER SUPPLY PROSPECTS FOR OREGON
Spring and Summer Period

MAY 1, 1975

WATER SUPPLY OUTLOOK for OREGON

MAY 1, 1975

Excellent water supplies are forecast for much of Oregon this coming summer. The snowpack ranges from 50% above average in the Northern portion of the state to 4 times the normal amount in the Southern portions. Precipitation was mostly 110 to 220% of normal and reservoir storage remains.

SNOWPACK

Cooler temperatures have delayed the snowmelt throughout most of the state. The snowpack ranges from 50% above average in the Northern portion of the state to 4 times the normal amount in the Southern portions.

PRECIPITATION

The main storm track continued to pass over southern Oregon this past month. Precipitation was 180 to 220% of normal in Harney, Lake, and Malheur Counties. The rest of the state received above average amounts except for the central Cascades where amounts were 70% to 75% of normal. Winter precipitation for the winter November-March period was 85 to 115% of average.

RESERVOIR STORAGE

Stored water supplies are good for May 1. Twenty-four major irrigation reservoirs are storing 2,709,000.

STREAMFLOW

Forecasts of prospective spring and summer streamflow range from 100 to 175% in the state except for several streams in southern Oregon such as the inflows to Owyhee, Warm Springs, Drews and Gerber reservoirs which are over 200% of normal.

This report contains data furnished by the Oregon State Engineer,
U. S. Geological Survey, NOAA National Weather Service, and other
cooperators.



WATER SUPPLY OUTLOOK
OWYHEE, MALHEUR WATERSHEDS
OREGON

as of
MAY 1, 1975

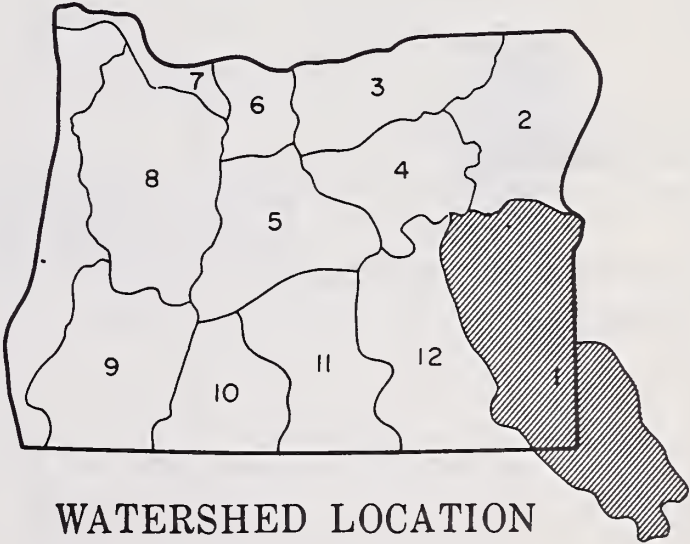
GENERAL OUTLOOK

EXCELLENT WATER SUPPLIES ARE FORECAST FOR THE OWYHEE AND MALHEUR WATERSHEDS. COOLER TEMPERATURES DURING APRIL HAVE DELAYED THE SNOWMELT SO THE SPRING RUNOFF IS JUST STARTING. APRIL PRECIPITATION WAS OVER TWICE THE NORMAL AMOUNT AND ALL RESERVOIRS WILL FILL. SPRING AND SUMMER STREAMFLOWS WILL BE EXCELLENT.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Boulder Creek	Excellent	Average
Bully Creek	Excellent	Excellent
Cow Creek	Excellent	Average
Jordan Creek	Excellent	Average
Jordan Valley Irrig. Dist.	Excellent	Excellent
McDermitt Creek	Excellent	Average
Oregon Canyon Creek	Excellent	Average
Owyhee Project	Excellent	Excellent
Succor Creek	Excellent	Average
Tenmile Creek	Excellent	Average
Vale-Oregon Irrig. Dist.	Excellent	Excellent
Warm Springs Irrig. Dist.	Excellent	Excellent
Willow Creek (Reservoired)	Excellent	Excellent



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STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average i
Bully Creek at Warmsprings	29	221	March-May		13.1
Malheur near Drewsey	100	312	May-July		32
	104	315	May-Sept.		33
Malheur, North Fork at Beulah ^d	60	171	May-July		35
	68	170	May-Sept.		40
Owyhee Reservoir net Inflow ^k	372	237	May-July		157
	418	232	May-Sept.		180

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Owyhee near Rome	1000 250	June 28 July 2	May 24 June 20

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁱ
Antelope	70.0	^b	51.6	41.5 ^m
Beulah Reservoir	60.0	54.6	58.0	51.2
Bully Creek	30.0	29.4	29.7	24.1 ^m
Owyhee	715.0	628.2	712.7	563.8
Warm Springs	191.0	175.3	178.6	140.1

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁱ
Owyhee River	1	96	88

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁱ
Jordan Creek	1	147	267
Malheur River	--	--	--
Owyhee River	3	--	1900

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (l) Ground measurement. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

BURNT, POWDER, PINE, GRANDE RONDE,
IMNAHA WATERSHEDS

OREGON

as of

MAY 1, 1975

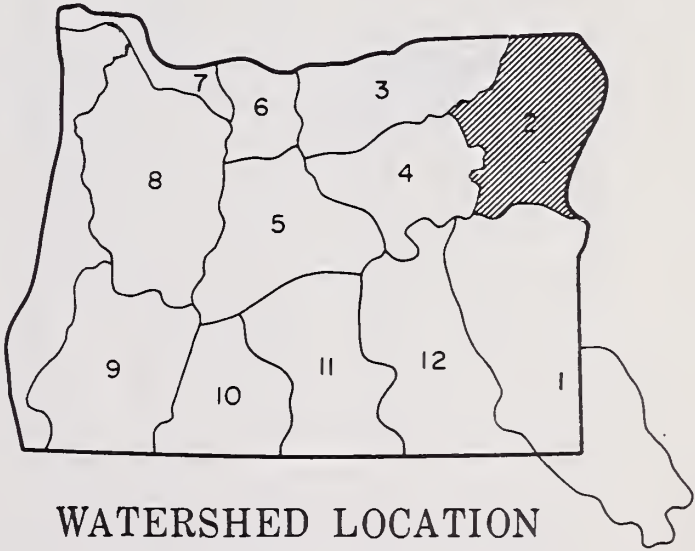
GENERAL OUTLOOK

ABOVE AVERAGE WATER SUPPLIES ARE FORECAST FOR NORTHEASTERN OREGON. THE SNOWPACK VARIES FROM 30% ABOVE AVERAGE ON THE BURNT WATERSHED TO TWO AND ONE-HALF TIMES NORMAL ON THE GRANDE RONDE. APRIL PRECIPITATION WAS 33% ABOVE AVERAGE. THE SOIL MOISTURE IS SLIGHTLY BELOW AVERAGE BUT RESEKVOIR STORAGE IS GOOD AND ALL STREAMFLOW FORECASTS ARE ABOVE AVERAGE

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Alder Slope	Average	Average
Baker Valley	Excellent	Average
Big Creek	Excellent	Average
Clover Cr. (nr. N. Powder)	Excellent	Average
Cove	Excellent	Average
Durkee	Excellent	Excellent
Eagle Valley	Average	Average
Elgin	Excellent	Excellent
Enterprise-Joseph	Average	Average
Hereford-Bridgeport	Excellent	Excellent
Imnaha River	Average	Average
LaGrande-Island City	Excellent	Excellent
Lostine-Wallowa	Average	Average
No. Powder River-Wolf Creek	Excellent	Excellent
Pine Valley	Average	Average
Powder River-Elk Creek	Excellent	Average
Summerville	Excellent	Excellent
Sumpter Valley	Excellent	Average
Union-Hot Lake	Excellent	Average
Unity	Excellent	Excellent



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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average i
Bear near Wallowa	70	120	May-Sept.		58
Burnt near Hereford ^d	24	174	May-July		13.8
	26	176	May-Sept.		14.8
Catherine near Union	69	130	May-Sept.		53
Eagle Creek abv. Skull Creek	167	110	May-July		152
	183	110	May-Sept.		166
Grande Ronde at La Grande	115	125	May-July		92
	125	130	May-Sept.		96
Hurricane near Joseph	49	111	May-Sept.		44
Imnaha at Imnaha	292	115	May-Sept.		253
Lostine near Lostine	135	115	May-Sept.		117
Powder near Sumpter	52	130	May-July		40
	54	132	May-Sept.		41
Wallowa, East Fork near Joseph ^d	9.6	113	May-July		8.5
	12.6	118	May-Sept.		10.7

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average i
Phillips Lake	73.5	69.9	72.4	--
Thief Valley	17.4	17.4	17.4	17.5
Unity	25.2	21.2	24.5	25.1
Wallowa Lake	37.5	28.0	21.4	26.2

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average i
Burnt River	1	81	134
Grande Ronde River			
above La Grande	3	171	245
Powder River	2	98	174
Wallowa, Imnaha, Catherine Creek	6	93	140

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average i
Grande Ronde, Catherine Creek, Imnaha River	1	86	89

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

UMATILLA, WALLA WALLA, WILLOW, ROCK,
LOWER JOHN DAY WATERSHEDS
OREGON

as of

MAY 1, 1975

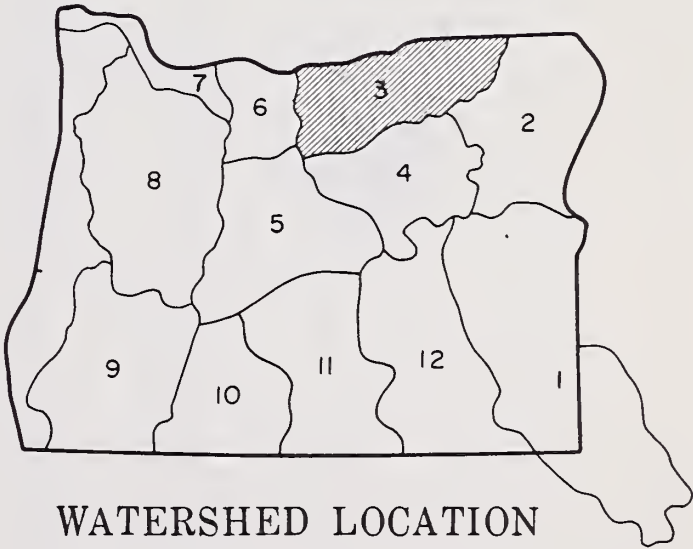
GENERAL OUTLOOK

EXCELLENT WATER SUPPLIES ARE FORECAST FOR THE BASIN. THE SNOWPACK IS MUCH ABOVE AVERAGE AND RESERVOIR STORAGE IS GOOD. APRIL PRECIPITATION WAS 20% BELOW NORMAL BUT THE SOIL MOISTURE IS NEAR NORMAL AND ALL STREAMFLOW FORECASTS ARE ABOVE NORMAL.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Walla Walla River, No. Fork	Excellent	Average
Walla Walla River, So. Fork	Excellent	Average
Walla Walla River, Main	Excellent	Average
Walla Walla River, Little	Excellent	Average
Couse Creek	Excellent	Average
Dry Creek	Excellent	Average
Pine Creek	Excellent	Average
Umatilla River, Main	Excellent	Average
Wildhorse Creek	Excellent	Average
Umatilla R. (Cold Springs Reservoir)	Average	Average
Umatilla R. (McKay Res.)	Excellent	Average
McKay Creek	Excellent	Average
Birch Creek	Excellent	Average
Butter Creek	Excellent	Average
Willow Creek	Excellent	Average
Rhea Creek	Excellent	Average
Rock Creek (John Day Tributary)	Excellent	Average



WATERSHED LOCATION

U.S.D.A. SOIL CONSERVATION SERVICE
OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year
Birch Creek at Rieth	10.2	143	May-July	7.1
Butter Creek near Pine City	3.8	112	May-July	3.4
McKay near Pilot Rock	13.5	153	May-Sept.	8.8
Umatilla near Gibbon	55	140	May-July	39
	63	140	May-Sept.	45
Umatilla at Pendleton	80	118	May-July	68
Walla Walla, South Fork near Milton	54	106	May-Sept.	51

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Umatilla at Pendleton	550	June 15	May 22

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average i
Cold Springs	50.0	49.7	49.9	49.5
McKay	73.8	66.7	68.5	57.6

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average i
McKay Creek	1	148	160

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

UPPER JOHN DAY WATERSHEDS

OREGON

Area 4

as of

MAY 1, 1975

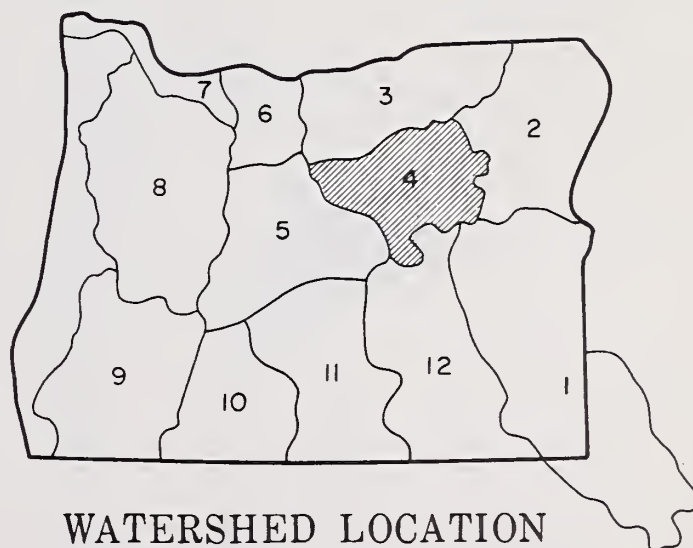
GENERAL OUTLOOK

EXCELLENT WATER SUPPLIES WILL BE AVAILABLE FOR USERS IN THE UPPER JOHN DAY WATERSHEDS. PRECIPITATION DURING APRIL WAS ABOVE AVERAGE AND THE SNOW-PACK REMAINS AT 50% ABOVE AVERAGE. THE SOIL MOISTURE IS NEAR AVERAGE AND THE STREAMFLOW FORECASTS VARY FROM 106% TO 153% OF NORMAL.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Beech Creek	Excellent	Average
Beech Creek-Fox-Long Cr.	Excellent	Average
Bridge-Mountain Creeks	Excellent	Average
Camas Creek	Excellent	Average
Cherry Creek	Excellent	Average
Indian-Pine Creeks	Excellent	Average
John Day River, Main Fork	Excellent	Average
John Day River, Mid. Fork	Excellent	Average
John Day River, No. Fork	Excellent	Average
John Day River, So. Fork	Excellent	Average
Monument-Kimberly	Excellent	Average
Strawberry Creek	Excellent	Average



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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁱ
Camas Creek near Ukiah	19.5	120	May-July		16.2
	19.8	119	May-Sept.		16.7
John Day, Middle Fork at Ritter	94	140	May-July		67
	98	140	May-Sept.		70
John Day, North Fork at Monument	476	140	May-July		340
	496	140	May-Sept.		354
Strawberry near Prairie City	8.9	137	May-July		6.5
	9.2	128	May-Sept.		7.2

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁱ
John Day above Dayville	1	100	100

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁱ
John Day, North Fork	3	102	146

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

UPPER DESCHUTES, CROOKED WATERSHEDS

OREGON

as of

MAY 1, 1975

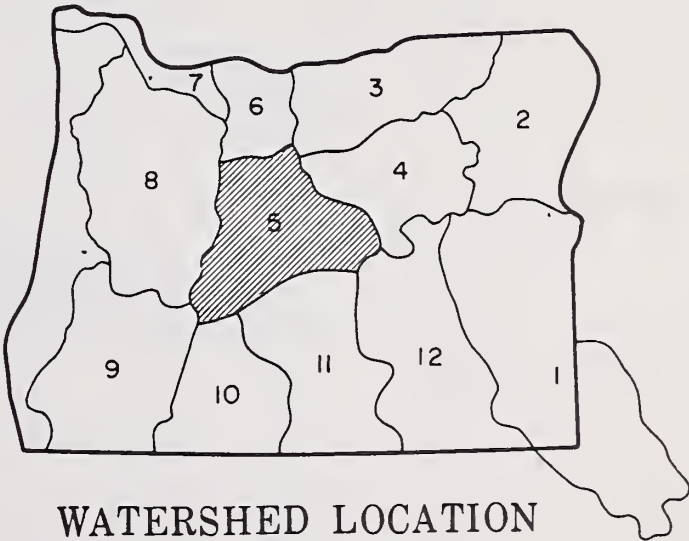
GENERAL OUTLOOK

DESCHUTES AND CROOK COUNTY WATER USERS WILL HAVE ABUNDANT SUPPLIES DURING THE SPRING AND SUMMER MONTHS. THE MOUNTAIN SNOWPACK RANGES FROM 40% TO 90% ABOVE AVERAGE. APRIL PRECIPITATION WAS 130% OF AVERAGE AND THE SOIL MOISTURE IS NEAR NORMAL. THE STREAMFLOW VOLUMES ARE FORECAST 120-230% OF NORMAL.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Arnold Irrigation Dist.	Excellent	Average
Bear Creek	Average	Average
Beaver Creek	Excellent	Average
Camp Creek	Average	Average
Central Ore. Irrig. Dist.	Excellent	Average
Crooked River	Excellent	Average
Deschutes River	Excellent	Excellent
Hay-Trout Creeks	Average	Average
Lone Pine Irrig. Dist.	Excellent	Excellent
Mill Creek	Average	Average
North Unit Irrig. Dist.	Average	Average
Ochoco Creek	Excellent	Average
Sisters Irrigation Dist.	Excellent	Excellent
Snow Creek Irrig. Dist.	Excellent	Excellent
Squaw Creek Irrig. Dist.	Excellent	Excellent
Swalley Ditch	Excellent	Excellent
Tumalo Project	Excellent	Average
Walker Basin Irrig. Dist.	Excellent	Average



WATERSHED LOCATION

U.S.D.A. SOIL CONSERVATION SERVICE
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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average <i>i</i>
Beaver Creek near Paulina	6.9	157	May-July		4.4
	7.4	160	May-Sept.		4.6
Crane Prairie Reservoir total Inflow	99	155	May-July		64
	154	147	May-Sept.		105
Crescent at Crescent Lake ^d	26	167	May-July		15.6
	33	168	May-Sept.		19.6
Crooked near Post	48	150	May-July		32
Deschutes at Benham Falls ^d	360	128	May-July		281
	561	119	May-Sept.		471
Deschutes below Snow Creek	82	146	May-Sept.		56
Deschutes, Little near La Pine ^d	88	166	May-July		53
	100	159	May-Sept.		63
Ochoco Reservoir net Inflow	21	228	May-Sept.		9.2
Odell near Crescent	40	174	May-Sept.		23
Squaw near Sisters	54	118	May-Sept.		46
Tumalo near Bend ^d	54	140	May-Sept.		39

FORECAST DATE of LOW FLOW VALUES

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value	RESERVOIR	Usable Capacity	Usable Storage		
						This Year	Last Year	Average <i>i</i>
Crane Prairie net Inflow	300	Oct. 31	July 15	Crane Prairie	55.3	56.1	55.3	42.4
Crooked R. near Post	100	June 8	June 1	Crescent Lake	86.9		86.9	52.3
Deschutes at Bend	1500	Oct. 31	July 1	Ochoco	47.5	39.0	47.5	36.8
Little Deschutes near La Pine	400	July 3	June 7	Prineville	153.0	150.6	153.0	146.8
	200	July 31	July 8	Wickiup	200.0	201.9	200.0	188.5

SOIL MOISTURE

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:		RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <i>i</i>			Last Year	Average <i>i</i>
Crooked R., Upper Deschutes River	1	100	100	Deschutes abv. Wickiup	1	80	142
				Little Deschutes	4	98	187
				Tumalo & Squaw Crs.	2	81	168

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

HOOD, MILE CREEKS, LOWER DESCHUTES

WATERSHEDS

OREGON

as of

MAY 1, 1975

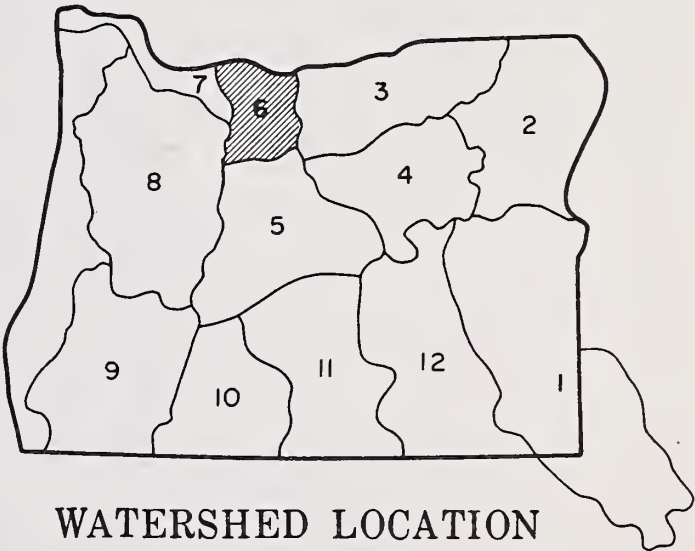
GENERAL OUTLOOK

ABUNDANT WATER SUPPLIES WILL BE AVAILABLE FOR WATER USERS IN WASCO AND HOOD RIVER COUNTIES. COOLER TEMPERATURES DURING APRIL DELAYED THE SNOWMELT AND THE SNOWPACK IS 1-1/2 TIMES NORMAL. APRIL PRECIPITATION WAS BELOW NORMAL BUT ABOVE AVERAGE STREAMFLOW VOLUMES ARE FORECAST FOR THE SPRING AND SUMMER MONTHS.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Aldridge Ditch (Tony Creek)	Average	Average
Badger Creek	Excellent	Average
Dee Irrigation Dist.	Average	Average
East Fork Irrig. Dist	Average	Average
Farmers Irrigation Dist.	Average	Average
Hood River Irrig. Dist	Average	Average
Juniper Flat	Average	Average
Middle Fork Irrig. Dist.	Average	Average
Mile Creeks	Excellent	Average
Mill Creek	Average	Average
Mount Hood Irrig. Dist.	Average	Average
Rock-Gate-Threemile Crs.	Average	Average
Tygh Creek	Excellent	Average
White River	Excellent	Average



WATERSHED LOCATION

U.S.D.A. SOIL CONSERVATION SERVICE

OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

Report prepared by

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PORTLAND, OREGON 97205

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average i
Hood River near Tucker Bridge	188	100	May-July		188
	239	102	May-Sept.		234
Hood, West Fork near Dee	88	104	May-July		85
	112	105	May-Sept.		107
White below Tygh Valley	115	146	May-July		79
	125	132	May-Sept.		94

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Branch Inflow	*44	July 15-31	**39
*Average cfs forecast to flow for this two-week period.			
**Average cfs for period of record.			

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average i
Clear Lake (Wasco)	11.9	10.0	5.9	4.6

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average i
Hood River	3	68	143
White River	3	68	143

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72 adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

LOWER COLUMBIA WATERSHEDS

OREGON

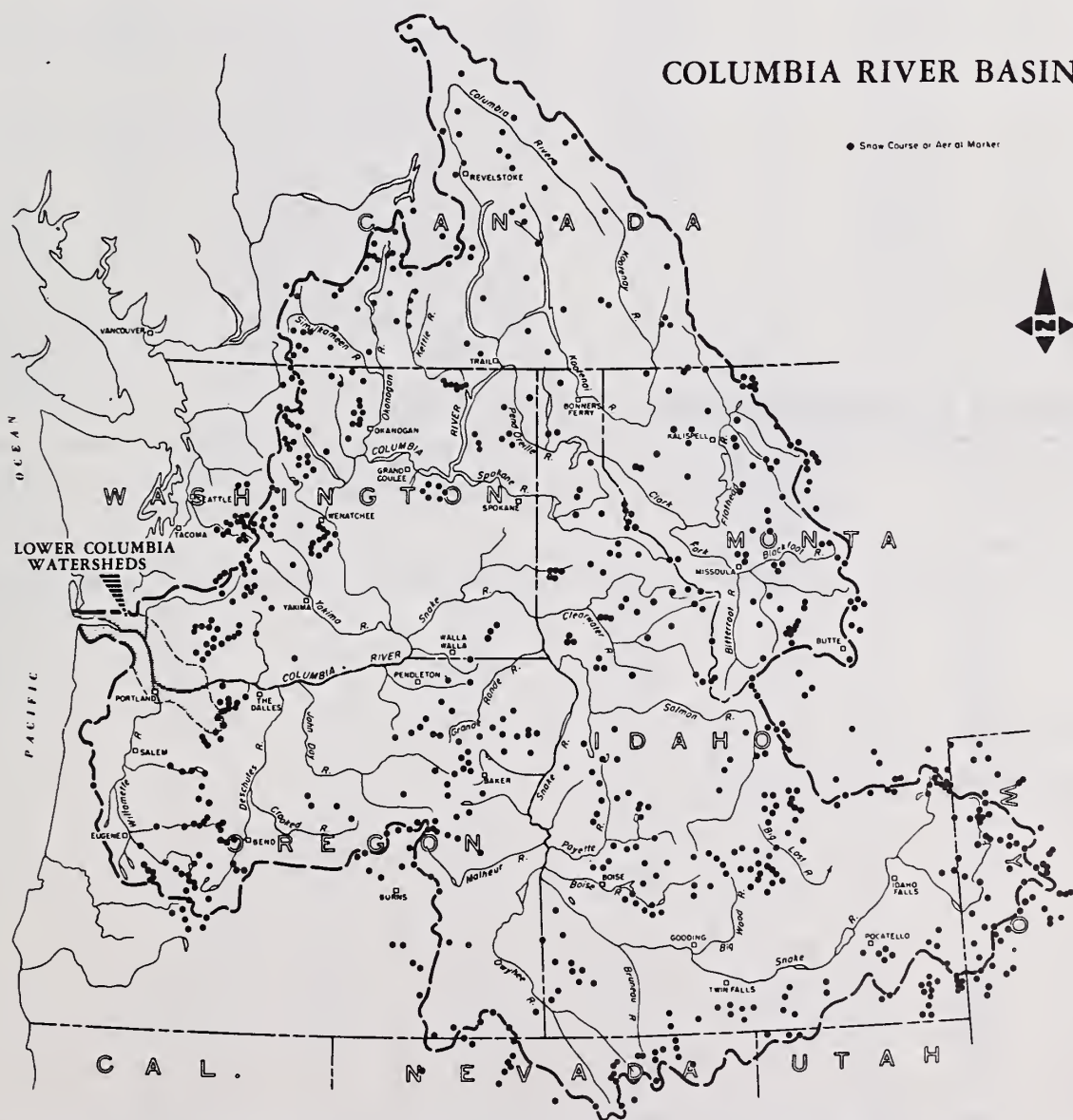
Area 7

as of

MAY 1, 1975

GENERAL OUTLOOK

THE WATER SUPPLY PROSPECTS FOR THE COLUMBIA RANGE FROM EXCELLENT IN THE SOUTHERN PORTIONS DOWN TO AVERAGE IN THE NORTHERN REACHES OF THE BASIN. THE SNOWPACK IS GENERALLY 120% OF AVERAGE. PRECIPITATION HAS BEEN HEAVY IN THE SOUTHERN PORTION AND GENERALLY BELOW AVERAGE IN THE NORTH.



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SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁱ
Sandy River	2	68	138

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁱ
Columbia at The Dalles ^d	85,300	111	May-July	103,630	
	101,000	110	May-Sept.	119,784	
Sandy River near Marmot	227	100	May-July		227
	282	100	May-Sept.		282

HISTORICAL DATA (Columbia River at The Dalles)

YEAR	STREAMFLOW ^d (1,000 A.F.)			REGULATED PEAK (1,000 cfs)	DATE
	APR — SEPT.	APR. — JUNE	MAY — JUNE		
1958	97,700	72,000	58,600	593	May 31
1959	112,500	71,900	58,900	555	June 23
1960	97,000	64,000	48,000	442	June 6
1961	101,400	74,400	64,000	699	June 8
1962	94,600	64,100	49,200	460	June 5
1963	87,000	56,300	46,200	437	June 18
1964	109,020	70,739	61,313	662	June 18
1965	114,137	80,024	62,477	520	June 9
1966	87,268	58,120	45,922	396	June 12
1967	107,771	72,408	65,112	622	June 10
1968	89,000	55,500	47,900	404	June 13
1969	112,300	85,700	63,800	515	May 15
1970	88,100	62,800	55,200	425	May 28
1971	122,900	88,400	73,700	557	May 13
1972	134,700	96,400	81,400	619	June 20
1958-72 Avg.	104,300	72,900	59,900	529	

LOWER COLUMBIA RIVER FLOOD STAGES (with 9.5' tide at Astoria)

VANCOUVER GAGE (Weather Bu.)	FLOW AT THE DALLES (1,000 cfs)	DRAINAGE DISTRICT PUMPHOUSE						
		SANDY	SAUVIE ISL.	SCAPPOOSE	DEER ISL.	RAINIER	BEAVER	WOODSON
		RIVER MILES						
		118.9	96.0	91.0	77.0	62.0	52.0	47.0
35 (1894)	1210	41.2	34.2	33.3	28.5	21.9	17.5	15.5
34	1160	40.5	33.5	32.5	27.7	21.2	17.0	15.0
33	1100	39.6	32.4	31.4	26.7	20.2	16.1	14.3
32 (1972)	1050	38.9	31.5	30.5	25.7	19.5	15.4	13.7
31 (1948)	1000	38.0	30.7	29.5	25.1	18.8	14.7	13.0
30	943	36.6	29.5	28.5	24.3	18.1	14.0	12.4
29	897	35.5	28.5	27.7	23.7	17.5	13.4	11.8
28	853	34.3	27.5	26.7	22.8	17.0	13.0	11.4
27 (1956)	811	33.0	26.5	25.6	21.8	16.2	12.5	11.0
26 (1950)	771	32.1	25.5	24.6	20.9	15.5	12.2	10.7
25	733	30.7	24.2	23.2	19.7	14.6	11.7	10.3
24	697	29.7	23.0	22.2	19.0	14.1	11.4	10.2
23	662	29.0	22.3	21.4	18.4	13.6	11.2	10.0
22	628	28.1	21.4	20.3	17.2	13.0	10.9	9.7
21	595	27.2	20.7	19.5	16.4	12.6	10.6	9.6
20 (1954)	564	26.2	19.8	18.6	15.5	12.1	10.2	9.4
19	534	25.5	19.2	18.0	15.0	11.8	10.0	9.3
18	501	24.4	18.3	17.2	14.3	11.4	9.8	9.1
17	479	23.4	17.4	16.4	13.7	11.0	9.6	8.9
16	452	22.4	16.5	15.5	13.0	10.5	9.3	8.7

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records.

WATER SUPPLY OUTLOOK

WILLAMETTE WATERSHEDS

OREGON

Area 8

as of

MAY 1, 1975

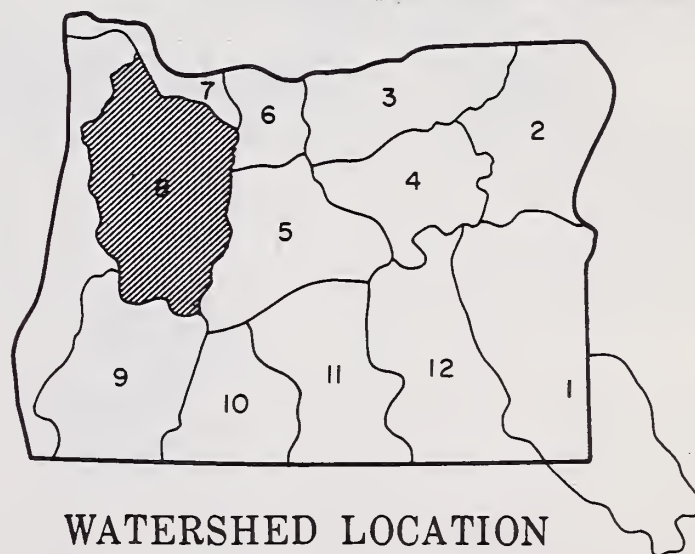
GENERAL OUTLOOK

ABOVE AVERAGE WATER SUPPLY CONDITIONS WILL PREVAIL FOR MOST OF THE WILLAMETTE VALLEY DURING THE SPRING AND SUMMER MONTHS. THE SNOWPACK IS NOW 55-75% ABOVE AVERAGE. APRIL PRECIPITATION WAS ONLY 75% OF AVERAGE BUT RESERVOIR STORAGE IS GOOD AND ALL STREAMFLOW FORECASTS ARE ABOVE AVERAGE.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Calapooya	Average	Average
Clackamas	Average	Average
McKenzie	Excellent	Average
Molalla	Average	Average
Santiam, North	Average	Average
Santiam, South	Average	Average
Willamette, Coast Fork	Excellent	Average
Willamette, Middle Fork	Excellent	Average



U.S.D.A. SOIL CONSERVATION SERVICE
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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁱ
Clackamas at Estacada	470	105	May-July		447
	589	105	May-Sept.		562
Clackamas above Three Lynx	360	105	May-July		343
	455	104	May-Sept.		440
McKenzie at McKenzie Bridge	341	104	May-July		329
	493	104	May-Sept.		474
McKenzie near Vida	779	108	May-July		720
	1022	108	May-Sept.		947
McKenzie, So. Fork near Rainbow	168	120	May-July		140
	205	121	May-Sept.		169
Oak Grove Fork above Power Intake	93	104	May-July		89
	133	104	May-Sept.		128
Row near Dorena	67	125	May-July		53
	72	125	May-Sept.		58
Santiam, North at Mehama ^d	542	110	May-July		493
	637	106	May-Sept.		600
Santiam, South at Waterloo	350	108	May-July		323
	383	100	May-Sept.		382
Willamette, Mid. Fk. blw. N. Fk. nr. Oakridge	610	132	May-July		462
	715	127	May-Sept.		562
Willamette, No. Fk. of Mid. Fk. near Oakridge	152	126	May-July		121
	170	121	May-Sept.		141
Willamette at Salem ^d	3090	118	May-July		2619
	3671	116	May-Sept.		3165

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁱ
Clackamas River	2	59	166
McKenzie River	2	86	160
Row River	2	81	173
Santiam River	4	76	155
Willamette, Mid. Fk.	4	90	166

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁱ
Blue River	85.6*	71.9	71.5	--
Cottage Grove	30.0*	23.7	23.7	23.4
Cougar	155.2*	108.4	124.1	108.6
Detroit	299.9*	228.8	233.2	250.2
Dorena	70.5*	52.8	56.7	54.8
Fall Creek	115.0*	98.5	93.8	96.7
Fern Ridge	94.2*	94.2	93.8	86.7
Foster	30.0*	10.0	21.9	18.6
Green Peter	270.0*	225.7	214.0	199.9
Hills Creek	200.0*	129.6	151.9	157.9
Lookout Point	337.2*	250.0	248.2	257.5
Timothy Lake	61.7	58.9	53.0	57.5
Henry Hagg Lake	53.0	53.0	--	--

*Multiple purpose reservoir--space reserved primarily for flood runoff.

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK
ROGUE, UMPQUA, WATERSHEDS
OREGON

as of
MAY 1, 1975

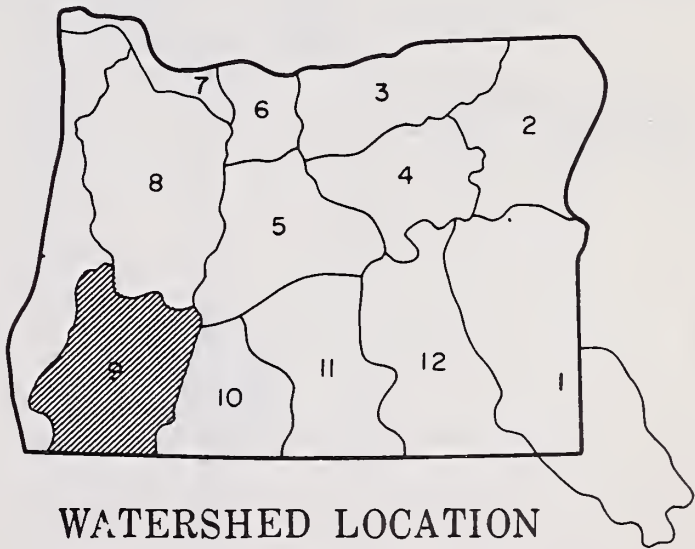
GENERAL OUTLOOK

EXCELLENT WATER SUPPLIES ARE FORECAST FOR THE ROGUE, UMPQUA WATERSHEDS. COOLER TEMPERATURES HAVE DELAYED THE SPRING SNOW MELT AND THE SNOW-PACK IS AS MUCH AS FOUR TIMES NORMAL IN SOME PLACES. PRECIPITATION DURING APRIL WAS ABOVE AVERAGE. EXCELLENT STREAMFLOW VOLUMES ARE FORECAST AND ALL RESERVOIRS SHOULD FILL.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Althouse Creek	Average	Average
Applegate River, Big	Excellent	Excellent
Applegate River, Little	Excellent	Excellent
Ashland Creek	Excellent	Excellent
Butte Creek, Big	Excellent	Excellent
Butte Creek, Little	Excellent	Excellent
Cow Creek	Excellent	Excellent
Deer Creek	Average	Average
Elk Creek	Excellent	Excellent
Emigrant Creek (abv. res.)	Excellent	Excellent
Evans Creek	Excellent	Excellent
Gold Hill Irrigation Dist.	Excellent	Excellent
Grants Pass Irrig. Dist.	Excellent	Excellent
Grave Creek	Excellent	Excellent
Illinois River, East Fork	Average	Average
Illinois River, West Fork	Average	Average
Jump-off-Joe Creek	Excellent	Excellent
Neil Creek	Excellent	Excellent
Red Blanket Creek	Excellent	Excellent
Rogue River	Excellent	Excellent
Sucker Creek	Excellent	Excellent
Table Rock Irrig. Dist.	Excellent	Excellent
Thompson Creek	Excellent	Excellent
Wagner Creek	Excellent	Excellent
Williams Creek	Excellent	Excellent



WATERSHED LOCATION

U.S.D.A. SOIL CONSERVATION SERVICE
OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average i
Applegate near Copper	105	130	May-July		81
	120	137	May-Sept.		87
Clearwater above Trap Creek ^d	74	129	May-Sept.		57
Fourmile Lake net Inflow ^d	7.5	251	May-July		3.0
Hyatt Reservoir net Inflow ^d	5.3	241	May-July		2.2
Illinois River near Kerby	105	115	May-July		91
	108	112	May-Sept.		97
Little Butte, N. Fk. at Fish Lake nr. Lake Cr. ^d	16.0	138	May-Sept.		11.6
Little Butte, S. Fk. near Lake Creek	31	192	May-July		16.1
	33	179	May-Sept.		18.4
Rogue above Prospect	247	134	May-July		184
	312	131	May-Sept.		239
Rogue, South Fork near Prospect ^d	64	140	May-July		46
	82	145	May-Sept.		56
Rogue at Raygold near Central Point	671	136	May-July		493
	907	140	May-Sept.		648
Rogue at Grants Pass	798	127	May-Sept.		627
Umpqua, No. blw. Lemolo Res. nr. Toketee Falls ^d	176	127	May-Sept.		139

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Little Butte Creek, South Fork	100	June 19	May 27
Rogue at Raygold	1200	Sept. 27	Aug. 7
	*2556	July 1	
	*1456	Aug. 15	
*Average daily cfs forecast to flow on this date.			

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average i
Emigrant Lake	39.0	38.8	38.5	37.0**
Fish Lake	8.0	7.7	6.0	6.0
Fourmile Lake	16.1	13.6	9.6	10.7 ^m
Howard Prairie	60.0	49.2	60.6	44.9 ^m
Hyatt Prairie	16.1	14.3	16.2	14.0
*Average for years of record (in base period) after reconstruction.				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average i
Bear Creek	1	77	138
Butte Creek	2	221	405
Illinois River	--	--	--
North Umpqua	3	125	290
Rogue River	2	138	234

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK
KLAMATH WATERSHEDS
OREGON
as of

MAY 1, 1975

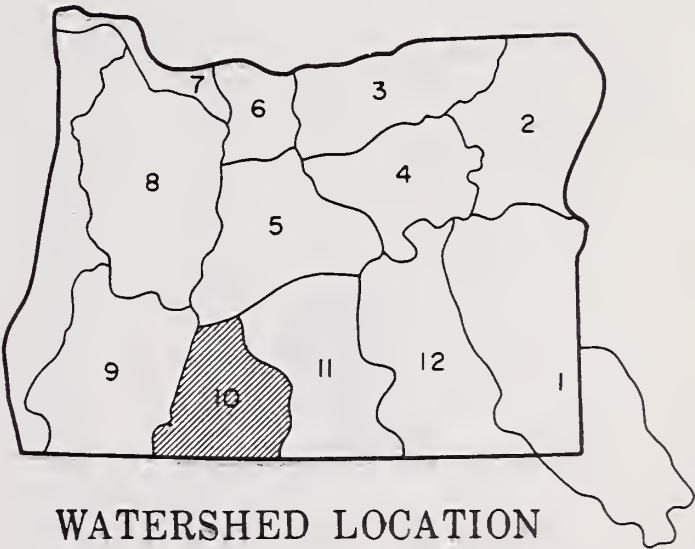
GENERAL OUTLOOK

EXCELLENT WATER SUPPLIES ARE FORECAST FOR THE KLAMATH BASIN. TEMPERATURES HAVE REMAINED COOL AND THE SNOWPACK IS THREE OR MORE TIMES THE NORMAL AMOUNT FOR MAY 1. APRIL PRECIPITATION WAS ABOVE AVERAGE AND RESERVOIR STORAGE IS EXCELLENT. STREAMFLOW VOLUMES WILL BE 1-1/2 TO 2 TIMES NORMAL.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Ft. Klamath Valley	Excellent	Average
Lost River (Clear Lake)	Excellent	Average
Lost River (Gerber)	Excellent	Average
Lost River (Willow Res.)	Excellent	Average
Sprague River	Excellent	Average
Upper Klamath Lake	Excellent	Average
Williamson River	Excellent	Average



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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁱ
Clear Lake Reservoir Inflow ^k	30.2	200	May-Sept.		15.1
Gerber Reservoir Inflow ^k	11.0	230	May-Sept.		4.8
Sprague near Chiloquin	232	140	May-Sept.		166
Upper Klamath Lake net Inflow ^k	530	150	May-Sept.		353
Williamson below Sprague River	430	150	May-Sept.		287

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁱ
Upper Klamath	1	78	85

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁱ
Clear Lake	440.2	361.2	325.4	266.5
Gerber	94.0	87.4	71.8	68.5
Upper Klamath Lake	584.0	472.0	516.2	517.4

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁱ
Lost River	1	148	293
Sprague River	1	--	1380
Upper Klamath	3	146	288
Williamson River	2	126	267

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK

LAKE COUNTY, GOOSE LAKE WATERSHEDS

OREGON

as of

MAY 1, 1975

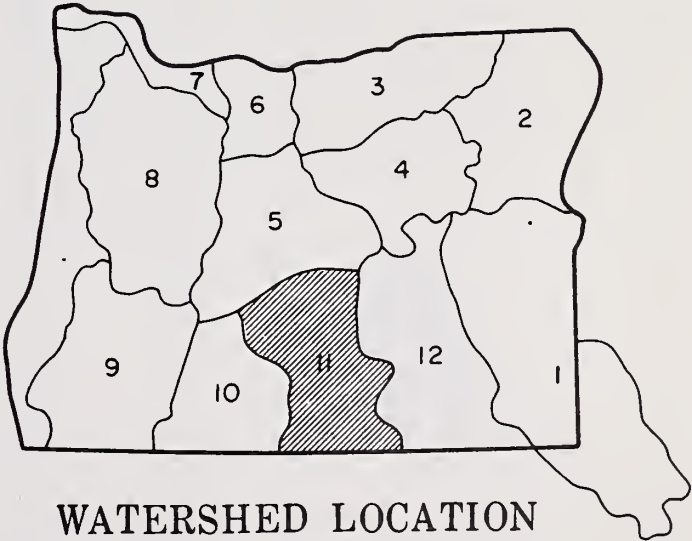
GENERAL OUTLOOK

THE WATER SUPPLY IS EXCELLENT FOR LAKE COUNTY, GOOSE LAKE WATERSHEDS. WITH THE COOL APRIL TEMPERATURES, THE SNOWPACK IS THREE TO TEN TIMES THE NORMAL AMOUNT FOR MAY 1. APRIL PRECIPITATION WAS 200% OF AVERAGE AND STREAMFLOW VOLUMES WILL BE EXCELLENT.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Chewaucan River	Excellent	Average
Crooked Creek	Excellent	Average
Deep Creek	Excellent	Average
Dry Creek	Excellent	Average
East Side Goose Lake	Excellent	Average
Guano Lake	Excellent	Average
Honey Creek	Excellent	Average
Lakeview Water Users Assn.	Excellent	Average
Rock Creek (Hart Mountain)	Excellent	Average
Silver-Buck Creeks	Excellent	Average
Summer Lake	Excellent	Average
Thomas Creek	Excellent	Average
Twentymile Creek	Excellent	Average
Warner Lakes	Excellent	Average



U.S.D.A. SOIL CONSERVATION SERVICE

OREGON STATE UNIVERSITY.....OREGON STATE ENGINEER

Report prepared by
T.A. GEORGE and J.W. HAGLUND
SOIL CONSERVATION SERVICE
1218 S.W. WASHINGTON ST.
PORTLAND, OREGON 97205

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average i
Chewaucan near Paisley	107	191	May-July		56
	115	192	May-Sept.		60
Deep above Adel	64	149	May-July		43
	68	151	May-Sept.		45
Drews Reservoir net Inflow ^d	20	206	May-July		9.7
Honey Creek near Plush	14.1	125	May-July		11.3
	14.2	125	May-Sept.		11.4
Twentymile near Adel	13.5	126	May-July		10.7
	14.0	126	May-Sept.		11.1

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average i
Chewaucan, Silver Creek, Drew Creek	1	78	85
Honey, Deep, 20-Mi. Cr.	1	87	86

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average i
Cottonwood	8.7	3.5	8.7	6.7**
Drews	63.0	60.5	63.0	55.3
*Average for years of record (in base period) after reconstruction.				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average i
Chewaucan River	1	--	1380
Deep Creek	2	208	323
Drew Creek	2	861	1042
Honey Creek	1	1875	417

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

WATER SUPPLY OUTLOOK
HARNEY BASIN WATERSHEDS
OREGON
as of

MAY 1, 1975

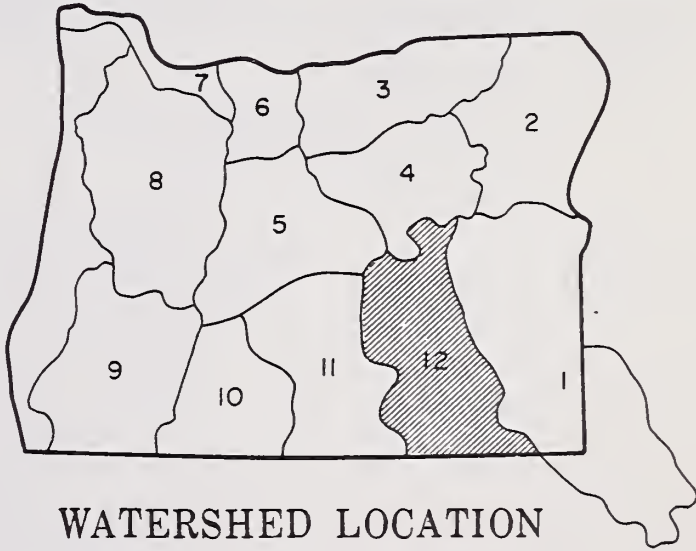
GENERAL OUTLOOK

EXCELLENT WATER SUPPLIES WILL BE AVAILABLE FOR USERS IN HARNEY COUNTY. LOWER TEMPERATURES HAVE DELAYED THE SNOWMELT AND THE SNOWPACK REMAINS ABOVE NORMAL. PRECIPITATION DURING APRIL WAS 80% ABOVE AVERAGE AND ALL STREAMFLOW FORECASTS ARE ABOVE AVERAGE.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Catlow Valley	Excellent	Average
Cow Creek	Excellent	Average
Donner und Blitzen River	Excellent	Average
Mill-Coffeepot Creeks	Excellent	Average
Rattlesnake Creek	Excellent	Average
Silver Creek	Excellent	Average
Silvies River	Excellent	Average
Soldier-Prather Creek	Excellent	Average
Trout Creek	Excellent	Average
Whitehorse Creek	Excellent	Average



WATERSHED LOCATION

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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁱ
Donner und Blitzen near Frenchglen	52	138	May-July		37
	57	135	May-Sept.		42
Silver near Riley	7.1	140	May-July		5.1
Silvies River near Burns	56	170	May-July		33
	56	163	May-Sept.		35
Trout Creek near Denio	7.1	122	May-July		5.8
	7.4	120	May-Sept.		6.2

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁱ
Silvies River, Silver Cr.	1	100	108

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁱ

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72 adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

BASIC DATA SUPPLEMENT 1

MAY 1, 1975

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i
OWYHEE, MALHEUR WATERSHEDS					
Antelope Ridge (Ida.)			b	--	--
Battle Creek (Ida.)			c		
Bear Creek (Nev.)	4/30	93	32.6	18.8	20.1
Big Bend	4/29	43	16.6	0.9	1.3
Blue Mountain Springs			c	21.2	10.2
Blue Mtn. Springs Pillow*			c	17.3	--
Buck Pasture			c		
Buckskin, Lower (Nev.)			b		
Buckskin, Upper (Nev.)			b		
Bull Basin (Ida.)			c		
Bully Creek			c		
Call Meadow			c		
Columbia Basin (Nev.)			b		
Cottonwood-Indian			c		
Crane Prairie			c		
Disaster Peak (Nev.)			b		
Eldorado Pass			c	0.0	0.0
Fawn Creek (Nev.)			b		
Fish Creek			c		
Fish Creek ^e			c		
Fish Creek Pillow*			c		
Flag Prairie			c		
Fox Creek (Nev.)			b		
Fry Canyon (Nev.)	4/29	32	11.7	0.0	1.1
Gold Creek (Nev.)	4/29	27	10.0	0.0	0.3
Granite Peak (Nev.)			b		
Hyde Pasture (Ida.)			c		
Jack Creek, Lower (Nev.)	4/29	29	9.1	0.0	0.1
Jack Creek, Upper (Nev.)	4/29	51	18.8	1.4	3.4
Jack Peak (Nev.)	4/29	121	42.1	35.1	26.7
Lake Creek R.S.	5/1	42	20.4		
Laurel Draw (Nev.)			b		
Logan Valley			c		
Lookout Butte			c		
Louse Canyon	5/1	36	13.3		
Martin Creek (Nev.)			b		
Merritt Mountain (Nev.)			b		
Midas (Nev.)			b		
Mud Flat (Ida.)			b		
Oregon Canyon			b		
Quinn Ridge (Nev.)			c		
Red Canyon (Ida.)			c		
Rock Spring			c	0.0	0.3
Rodeo Flat (Nev.)	4/29	29	11.6	0.0	1.1
76 Creek (Nev.)			b		
Silver City (Ida.)			c	15.1	8.9
Silvies			c		
Silvies ^e			c		
Silvies Pillow			c		
South Mountain #2 (Ida.)			b	8.9	7.1
Stag Mountain (Nev.)			b		
Stinking Water			b	0.0	0.0
Succor Creek (Ida.)			c		
Taylor Canyon (Nev.)	4/29	22	7.0	0.0	0.1
Toe Jam (Nev.)			b		
Tremewan Ranch (Nev.)	4/29	0	0.0	0.0	0.0
Triangle (Ida.)			c		
Trout Creek			c		
"V" Lake			c		
Vaught Ranch (Ida.)			c		
War Eagle (Ida.)			c		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS					
Aneroid Lake #1	4/25	130	46.8	63.0	40.7 ^h
Aneroid Lake #2	4/25	116	43.2	56.2	36.2 ^h
Anthony Lake			c	41.2	30.4
Bald Mountain (Ore.)	j 4/29	108	40.0	34.5	22.5 ^m
Beaver Reservoir	4/28	48	16.7	14.0	9.2
Big Sheep	j 4/29	104	38.5	37.7	24.5 ^m
Blue Mtn. Summit			c	3.8	1.7
Bourne			c	16.8	7.4
County Line	4/30	14	5.1	0.0	0.4 ^m
Dooley Mountain			c	1.4	2.1
Eilertson Meadows			c	9.0	4.7
Eldorado Pass			c	0.0	0.0 ^h
Gold Center			c	12.0	4.4
Goodrich Lake			c	66.0	38.5 ^m
Intake House			c	5.7	4.8 ^h
Little Alps			c	21.4	13.7 ^h
Little Antone			c	0.0	0.0 ^m
Lucky Strike	5/1	39	14.7	9.9	9.2 ^h
Lucky Strike Pillow*	5/1	--	16.1	4.9	--
Meacham			c	14.6	1.8
Mirror Lake	j 4/29	225	83.2	--	79.3 ^m
Moss Spring	4/29	105	40.2	38.4	23.3
Power Plant			c	0.0	0.0 ^m
Schneider Meadow	4/29	92	40.5	45.3	25.4 ^h
Schoolmarm	4/30	5	2.2	0.0	0.1 ^h
Standley	j 4/29	120	44.4	50.6	35.3 ^m
Taylor Green	4/29	70	25.8	22.2	12.8 ^h
Tipton			c	4.6	1.8
Tipton Snow Pillow*			c	13.8	--
Tollgate			c	52.9	19.2
TV Ridge	j 4/29	84	31.1	31.7	25.2 ^m
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS					
Arbuckle Mountain			c	3.3	2.8
Arbuckle Mountain Pillow*			c	32.9	--
Battle Mountain Summit			c	0.0	0.2 ^h
Blue Mountain Camp			c	25.0	5.1 ^h
Butte Creek Summit			c		
Emigrant Springs			c	0.0	0.4
High Ridge Pillow*	5/1	100	38.2	57.2	--
Lucky Strike	5/1	39	14.7	9.9	9.2 ^h
Lucky Strike Pillow*	5/1	--	16.1	4.9	--
Meacham			c	14.6	1.8
Tollgate			c	52.9	19.2
Weston Mountain			c		

BASIC DATA SUPPLEMENT 1

MAY 1, 1975

SNOW

SNOW	THIS YEAR			PAST REC.	
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i
UPPER JOHN DAY WATERSHEDS					
Anthony Lake			c	41.2	30.4
Arbuckle Mountain			c	3.3	2.8
Arbuckle Mt. Pillow*			c	32.9	--
Battle Mountain Summit			c	0.0	0.2
Blue Mountain Springs			c	21.2	10.2
Blue Mt. Springs Pillow*			c	17.3	--
Blue Mountain Summit			c	3.8	1.7
Butte Creek Summit			c		
Derr			c		
Gold Center			c	12.0	4.4
Indian Creek Butte			c		
Izee Summit			c	2.5	1.9
Lucky Strike	5/1	39	14.7	9.9	9.2
Lucky Strike Pillow*	5/1	--	16.1	4.9	--
Marks Creek	4/30	3	1.0	0.0	0.0
Ochoco Meadows			c		
Olive Lake	4/29	72	26.6	28.5	19.8
Schoolmarm	4/30	5	2.2	0.0	0.1
Snow Mountain			c		
Snow Mt. Pillow**			b	--	--
Starr Ridge			c	1.4	0.4
Tipton			c	4.6	1.8
Tipton Snow Pillow*			c	13.8	--
Bald Peter	5/2	112	51.0	60.5	--
Caldwell Ranch			c		
Cascade Summit	4/30	102	45.3	46.4	24.8
Chemult	4/29	25	10.0	1.7	0.8
Chemult Alternate	4/29	32	13.2	4.3	--
Derr			c		
Hogg Pass	4/28	126	55.4	71.6	41.3
Hungry Flat			b	0.0	0.0
Irish-Taylor Pillow**			b	71.8	--
Lionshead	5/6	42	15.5	16.2	--
Marks Creek	4/30	3	1.0	0.0	0.0
New Crescent Lake	4/29	44	18.7	16.6	4.4
New Dutchman Flat #2	4/28	154	76.8	96.4	54.0
Ochoco Meadows			c		
Racing Creek	5/2	48	20.0	28.8	--
Snow Mountain			c		
Snow Mt. Pillow**			b	--	--
Summit Lake	4/29	142	61.1	72.5	42.3
Summit Lake Pillow**	5/2	--	51.8	--	--
Tamarack			c		
Tangent	4/28	71	34.5	40.2	12.3
Three Creek Butte			c	5.9	1.6
Three Creek Meadow			c	27.7	13.7
Three Creek Mdw. Pillow**			c	38.4	--
Waldo Lake			c		
Whitewater Meadow	5/6	0	0.0	0.0	--

SNOW

SNOW	THIS YEAR			PAST REC.	
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS					
Brooks Meadows			c		
Clear Lake	4/29	30	11.4	16.8	5.0
Clear Lake (Experimental)	4/29	47	19.8	29.2	9.7 ^h
Cooper Spur			c	9.7	--
Greenpoint			c		
Knebal Springs			c		
Mt. Hood Test Site	4/28	187	76.4	107.1	67.6
Red Hill			c		
Still Creek	4/29	71	31.2	50.3	20.1
Still Creek Pillow	4/29	78	34.5	51.8	--
Switchback			c		
Tilly Jane			c		
Ulrich Ranch Junction			c		
Umbrella Falls	4/27	191	71.2	107.9	70.7 ^h
WILLAMETTE WATERSHEDS					
Cascade Summit	4/30	102	45.3	46.4	24.8
Champion	4/28	112	49.9	61.9	26.9 ^m
Clackamas Lake			c		
Clear Lake	4/29	30	11.4	16.8	5.0
Clear Lake (Expt.)	4/29	47	19.8	29.2	9.7 ^h
Dead Horse Grade	4/27	59	25.3	25.8	11.0
Detroit (Town)	4/28	0	0.0	0.0	0.0
Detroit Dam	4/28	0	0.0	0.0	0.0
Golden Curry Creek	4/28	T		0.0	1.9 ^m
Hogg Pass	4/28	126	55.4	71.6	41.3
Lake Harriet			b	0.0	--
Laurel Mountain	4/30	16	7.0		
Layng Creek	4/28	0	0.0	0.0	0.0 ^m
Lookout Point Dam	4/30	0	0.0	0.0	0.0
Lost Creek Ranch	4/27	0	0.0	0.0	0.0
Lund Park	4/28	0	0.0	0.0	0.0 ^h
Marion Forks	4/28	24	10.7	13.3	5.0 ^h
Marys Peak			c		
McCredie Springs	4/30	0	0.0	0.0	0.0
McKenzie	4/27	138	64.8	78.9	44.9
McKenzie Bridge	4/27	0	0.0	0.0	0.0
Mill City	4/28	0	0.0	0.0	0.0
Mt. Hood Test Site**	4/28	187	76.4	107.1	67.6
Oakridge	4/30	0	0.0	0.0	0.0
Peavine Ridge Pillow**			c	29.5	11.6 ^h
Railroad Overpass	4/30	0	0.0	0.0	0.0
Saddle Mountain Pillow**	5/5	--	8.4	0.0	--
Salt Creek Falls	4/30	55	20.8	21.8	9.6
Santiam Junction	4/28	60	26.2	36.5	13.3
Seine Creek Pillow**	5/5	--	0.0	0.0	--
Still Creek	4/29	71	31.2	50.3	20.1
Still Creek Alt. #2	4/29	78	34.5	51.8	--
Summit Lake	4/29	142	61.1	72.5	42.3
Summit Lake Pillow**	5/2	--	51.8	--	--
Timothy Lake	4/29	41	17.0	31.1	10.7 ^m
Valsetz Summit	4/30	0	0.0		
Vida	4/27	0	0.0	0.0	0.0
Waldo Lake			c		
Weaver Creek	4/28	0	0.0	0.0	0.0 ^m
White Branch Slide	4/27	0	0.0	0.0	0.4
Whitewater Bridge	4/28	0	0.0	0.0	0.0

BASIC DATA SUPPLEMENT 1

MAY 1, 1975

SNOW

SNOW	THIS YEAR			PAST REC.	
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i
ROGUE, UMPQUA WATERSHEDS					
Althouse					
Annie Spring	4/30	145	61.9	78.5	44.4
Beaver Dam Creek	4/30	56	30.1	8.6	7.3
Big Red Mountain					
Billie Creek Divide				27.5	12.0
Caliban	4/29	130	55.3	70.3	39.4
Caliban (Alternate)	4/29	123	50.8	70.0	--
Champion	4/28	112	49.9	61.9	26.9
Cold Springs Camp	4/29	120	52.2	48.5	32.2
Cold Spgs. Camp Pillow**				41.9	--
Deadwood Junction	4/30	30	14.2	0.0	2.8
Diamond-Crater Sum.	4/28	121	49.4	52.7	29.9
Diamond Lake	4/28	89	34.9	33.9	16.7
Fish Lake	4/30	53	24.6	16.1	6.2
Fourmile Lake				31.4	19.7
Grayback Peak					
Howard Prairie Reservoir	4/30	30	14.0	0.0	2.4
Hyatt Prairie	4/30	31	14.9		
King Mountain #1	4/28	50	22.5	6.2	5.5
King Mountain #2	4/28	34	15.1	0.0	3.1
King Mountain #3	4/28	0	0.0	0.0	0.0
King Mountain #4	4/28	00	0.0	0.0	0.0
King Mountain #5	4/28	0	0.0	0.0	0.0
King Mountain #6	4/28	0	0.0	0.0	0.0
Little Red Mountain					
Mt. Ashland Switchback	4/29	130	52.1	67.8	37.6
Mule Creek	4/28	20	7.9	0.0	--
North Umpqua	5/1	42	20.4	16.1	4.6
Page Mountain					
Park Headquarters	4/30	187	83.6	104.1	61.2
Red Butte #1	4/28	62	26.0	24.7	11.7
Red Butte #2	4/28	42	18.3	3.2	3.7
Red Butte #3	4/28	8	2.7	0.0	1.2
Red Butte #4	4/28	0	0.0	0.0	0.0
Red Butte #5	4/28	0	0.0	0.0	0.0
Red Butte #6	4/28	0	0.0	0.0	0.0
Seven Mile					
Silver Burn	4/29	34	11.8	0.0	3.3
Siskiyou Summit				0.0	--
Ski Bowl Road	4/29	112	50.0	47.6	25.4
South Fork Canal				0.0	0.0
Trap Creek	4/30	41	18.6	9.2	4.2
Whaleback					

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i
KLAMATH WATERSHEDS					
Annie Spring	4/30	145	61.9	78.5	44.4
Billie Creek Divide			c	27.5	12.0 ^h
Chemult	4/29	25	10.0	1.7	0.8 ^h
Chemult (Alternate)	4/29	32	13.2	4.3	--
Chiloquin (PP&L)			c		
Cold Springs Camp	4/29	120	52.2	48.5	32.2 ^h
Cold Spgs. Camp Pillow**			b	41.9	--
Crazyman Flat			c	8.8	5.4 ^m
Crowder Flat (Calif.)			c		
Crystal (PP&L)			c		
Diamond-Crater Sum.	4/28	121	49.4	52.7	29.9 ^h
Diamond Lake Junction (97)	4/28	14	5.1	0.0	0.0 ^h
Dog Hollow			c		
Finley Corrals			c	10.9	9.0 ^m
Fort Klamath (PP&L)			c		
Fourmile Lake			c	31.4	19.7 ^h
Gerber			c		
Harriman (PP&L)			c		
Howard Prairie	4/30	30	14.0	0.0	2.4 ^m
Hyatt Prairie Reservoir	4/30	31	14.9		
Kirk (PP&L)			c		
Park Headquarters	4/30	187	83.6	104.1	61.2
Quartz Mountain	5/2	18	6.9	0.0	0.5
Seven Mile			c		
State Line (Calif.)			c		
Strawberry	4/27	33	12.2	12.3	1.4 ^h
Strawberry			c		
Summer Rim			c		
Summer Rim			c	23.0	15.6 ^m
Summer Rim Pillow*			c		
Sycan Flat			c		
Taylor Butte			c	0.0	0.7 ^h
LAKE COUNTY, GOOSE LAKE WATERSHEDS					
Adin Mountain (Calif.)	4/24	62	23.5	16.4	4.8
Bald Mountain (Nev.)			b		
Bear Flat Meadow			c		
Camas Creek	5/2	38	15.0	0.9	3.6 ^m
Cedar Pass (Calif.)	4/28	77	32.5	22.0	11.1
Colvin Creek			c		
Cox Flat			c		
Crowder Flat (Calif.)			c		
Dismal Swamp (Calif.)			c		
Finley Corrals ^e			c	10.9	9.0 ^m
Hart Mountain			c		
Little Bally Mtn. (Nev.)			c		
Mt. Bidwell (Calif.)			c		
North Star (Calif.)			c		
Patton Meadows ^e			c	21.2	13.3 ^m
Quartz Mountain	5/2	18	6.9	0.0	0.5
Sherman Valley			c		
Silver Creek			c		
State Line (Calif.)			c		
Strawberry	4/27	33	12.2	2.3	1.4 ^h
Strawberry			c		
Summer Rim			c		
Summer Rim ^e			c	23.0	15.6 ^m
Summer Rim Pillow*			c		
Sycan Flat			c		
Willow Creek			c		

BASIC DATA SUPPLEMENT 1

MAY 1, 1975

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave. i

HARNEY BASIN WATERSHEDS					
Blue Mountain Springs			c	21.2	10.2
Blue Mtn. Springs Pillow*			c	17.3	--
Buck Pasture			c		
Buckskin Lake			c		
Call Meadows			c		
Delintment Lake			c		
Denio Creek			c		
Disaster Peak (Nev.)			b		
Emigrant Butte			c		
Fish Creek			c		
Fish Creek e			c		
Fish Creek Pillow*			c		
Hart Mountain			c		
Idlewild Camp	4/28	17	5.4	0.0	0.3 ^h
Idlewild Camp Alternate	4/28	8	2.9	0.0	--
Izee Summit			c	2.5	1.9
Lake Creek R.S.	5/1	42	20.4		
Oregon Canyon			c		
Rock Spring			c	0.0	0.3 ^h
Silvies			c		
Silvies e			c		
Silvies Pillow*			c		
Snow Mountain			c		
Snow Mountain Pillow**			b	--	--
Starr Ridge			c	1.4	0.4
Stinking Water			b	0.0	0.0 ^m
Trout Creek			c		
"V" Lake			c		

*Manometer Reading.

**Telemetry Reading.

1/Location has been changed--surveys are made on an alternate site and data has been revised accordingly.

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Serial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.

BASIC DATA SUPPLEMENT 2

MAY 1, 1975

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average ⁱ
OWYHEE, MALHEUR WATERSHEDS							
Bear Creek (Nev.)	7800	72	16.8		b ⁱ	--	--
Big Bend (Nev.)	6700	48	16.7	4/29	14.8	10.9	15.6 ^m
Blue Mountain Spring	5900	42	16.9		c	12.1	13.1 ^m
Mud Flat (Ida.)	5500	48	12.8		b	--	--
Rodeo Flat (Nev.)	6800	42	11.0	4/29	7.3	7.6	9.8
Taylor Canyon (Nev.)	6200	48	15.1	4/29	14.8	15.1	14.0
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS							
Blue Mountain Summit	5100	36	16.8		c	16.5	14.8 ^m
Dooley Mountain	5430	36	9.2		c	7.1	6.8 ^m
Emigrant Springs	3925	48	22.3		c	21.3	21.2 ^m
Ladd Summit	3730	48	18.9		c	--	12.3 ^m
Moss Springs	5850	36	25.8	4/29	14.1	16.4	15.9 ^m
Tollgate	5070	48	23.6			16.0	19.0 ^m
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS							
Battle Mountain Summit	4340	48	13.8		c	13.7	13.5 ^m
Emigrant Springs	3925	48	22.3		c	21.3	21.2 ^m
Tollgate	5070	48	23.6		c	16.0	19.0 ^m
UPPER JOHN DAY WATERSHEDS							
Battle Mountain Summit	4340	48	13.8		c	13.7	13.5 ^m
Blue Mountain Spring	5900	42	16.9		c	12.1	13.1 ^m
Blue Mountain Summit	5100	36	16.8		c	16.5	14.8
Derr	5670	24	9.0		c	--	--
Marks Creek	4540	36	14.1	4/30	13.4	13.4	13.3
Snow Mountain	6300	48	16.7		c	--	--
Starr Ridge	5150	36	10.6		c	10.6	10.4 ^m
UPPER DESCHUTES, CROOKED WATERSHEDS							
Derr	5670	24	9.0		c	--	--
Marks Creek	4540	36	14.1	4/30	13.4	13.4	13.3
Snow Mountain	6300	48	16.7		c	--	--
KLAMATH WATERSHEDS							
Quartz Mountain	5230	48	15.3	5/2	8.1	10.4	9.5 ^m
LAKE COUNTY, GOOSE LAKE WATERSHEDS							
Camas Creek	5720	42	14.5	5/2	11.3	13.0	13.1 ^m
Quartz Mountain	5230	48	15.3	5/2	8.1	10.4	9.5 ^m

BASIC DATA SUPPLEMENT 2

MAY 1, 1975

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average ⁱ
HARNEY BASIN WATERSHEDS .							
Blue Mountain Spring	5900	42	16.9	4/28	c	12.1	13.1 ^m
Silvies	6900	48	16.4		c	--	--
Snow Mountain	6300	48	16.7		c	--	--
Starr Ridge	5150	36	10.6		c	10.6	10.4 ^m
Willow-Bald	5000	24	6.6		6.6	6.6	6.1 ^m
<p>(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72, adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L Co. or USBR records. (m) Average for 5 or more years in base period.</p>							

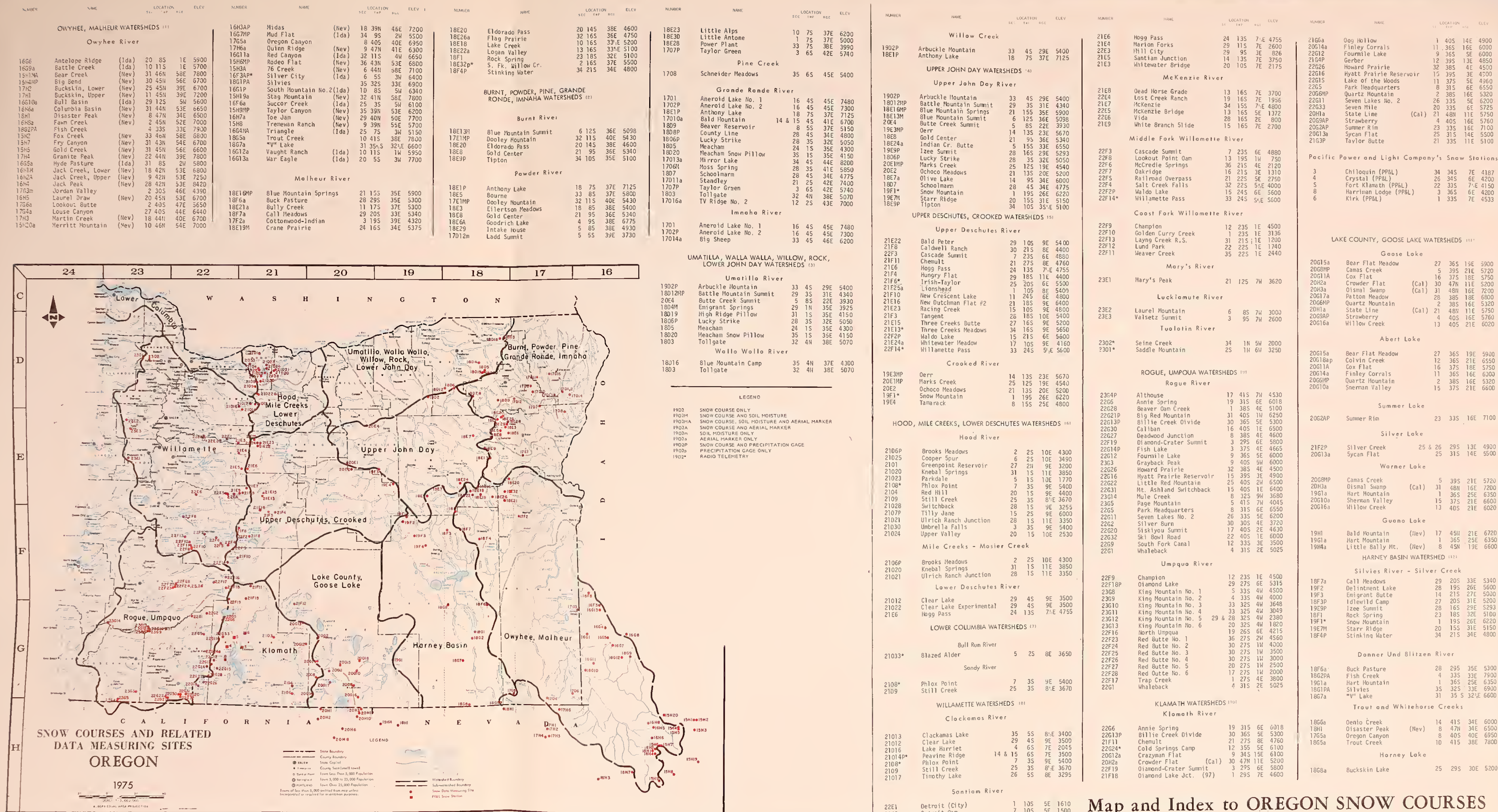
BASIC DATA SUPPLEMENT 3

MAY 1, 1975

PRECIPITATION (Inches)

PRECIPITATION (Inches)		CURRENT INFORMATION		PAST RECORD	
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Precipitation	Last Year	Average ⁱ
Camas Creek (Lake County)	5825	From 3/27 to 5/2	3.90	2.00	
County Line (Umatilla County--Starkey Hdqs.)	4800	From 3/31 to 4/30	2.10	3.10	
Fish Lake (Jackson County)	4865	From 3/28 to 4/30	5.04		
Marks Creek (Crook-Wheeler Cos.)	4540	From 3/26 to 4/30	1.50	2.00	
Quartz Mt. Summit (Lake County)	6300	From 3/27 to 5/2	2.50	3.05	
Strawberry (Lake County)	5760	From 3/31 to 4/27	2.40	2.15	

(a) Assuming normal meteorological conditions. (b) No report. (c) Not scheduled. (d) Corrected to natural flow. (e) Aerial snow depth gage, water content estimated. (f) Nearest current data. (g) Partly estimated. (h) 1958-72. adjusted average. (i) 1958-72, 15 year average. (j) Telephonic report - data not confirmed. (k) Data from PP&L CO. or USBR records. (m) Average for 5 or more years in base period.



Map and Index to OREGON SNOW COURSES



The Following Organizations Cooperate in the Oregon Snow Survey Work

STATE

- Idaho Cooperative Snow Surveys
- Nevada Cooperative Snow Surveys
- Oregon State University
- Oregon State Engineer and Corps of State Watermasters
- Oregon State Highway Engineers
- Soil and Water Conservation Districts of Oregon

COUNTY

- Douglas County Water Resources Survey

FEDERAL

- Department of Agriculture
 - Cooperative Extension Service
 - Forest Service
 - Soil Conservation Service
- Department of Commerce
 - NOAA, National Weather Service
- Department of the Interior
 - Bonneville Power Administration
 - Bureau of Land Management
 - Bureau of Reclamation
 - Fish and Wildlife Service
 - Geological Survey
 - National Park Service
- Department of National Defense
 - Corps of Army Engineers

PUBLIC UTILITIES

- Pacific Power and Light Company
- Portland General Electric Company
- California-Pacific Utilities Company

MUNICIPALITIES

- City of Baker
- City of La Grande
- City of The Dalles
- City of Walla Walla

IRRIGATION DISTRICTS

- Arnold Irrigation District
- Associated Ditch Companies
- Burnt River Irrigation District
- Central Oregon Irrigation District
- East Fork Irrigation District
- Grants Pass Irrigation District
- Hood River Irrigation District
- Jordan Valley Irrigation District
- Juniper Flat Irrigation District
- Lakeview Water Users, Incorporated
- Medford Irrigation District
- Middle Fork Irrigation District
- North Board of Control - Owyhee Project
- North Unit Irrigation District
- Ochoco Irrigation District
- Rogue River Valley Irrigation District
- South Board of Control - Owyhee Project
- Squaw Creek Irrigation District
- Talent Irrigation District
- Tumalo Project
- Vale-Oregon Irrigation District
- Warm Springs Irrigation District

PRIVATE ORGANIZATIONS

- The Crag Rats, Hood River, Oregon

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